

ABSTRACT OF THE DISCLOSURE

[0096] The instant invention relates to a composition of solution stable Ca^{++} , Mg^{++} , N^{3-} , and S^{6+} moieties and a method of varying the quantitative proportions of at least the solution stable Ca^{++} and Mg^{++} moieties in the composition. In its more complex expression, the invention provides a composition that includes compensating proportions of substantially any of the essential micronutrients or macronutrients in a solution stable form. In a first preferred embodiment, the invention has utility as a soil treatment composition. In a second preferred embodiment, the invention has utility as a cell culture medium. The invention further contemplates the recovery of a substantially pure CO_2 product formed by the reaction process that produces the instant composition.